

Java Language

What is it about OOP that programmers find compelling? What fueled Java's meteoric rise? The sessions in the Java & OOP Course of Study are intended to help you answer these important questions for yourself. Wrap your head around the core concepts of OOP: objects, classes, inheritance, polymorphism, and encapsulation. Discover how to apply these OOP concepts, in concert with OO design strategies, to simplify the task of application analysis and design. See the concrete benefits of OOP for yourself, as you read and write useful Java code. Come and learn what the Java revolution is all about!

A Java Introduction to Programming

21MD: Mon 8 - 9:15, B116, Miami Conv Ctr

ID:480062

Level:
Beginner

Course:
Java Language

Speaker:
Blair Wyman
IBM Corporation

If you are brand new to object-oriented programming, and want your first experience to be with a programming language that you can take all the way to a mature and lasting relationship, Java's the one.

If you have dabbled with object-oriented programming in other languages, and just didn't "get it," don't give up - some programming languages are simply more beautiful and better-endowed than others. Java's a beauty.

Even if you are already a Java wizard, consider the value of a new perspective -- that of another passionate admirer -- and let this session throw fuel on your old flame for Java.

LAB: Introduction to Java

25LA: Mon 2 - 4:45, A205, Miami Conv Ctr

41LB: Wed 8 - 10:45, A201, Miami Conv Ctr

ID:403692

Level:
Beginner

Course:
Java Language

Speakers:
Kim Button
IBM Corporation
Vanessa
Grose
IBM Corporation

Ready to learn Java programming? This lab provides a short introduction to Java and demonstrates how it fits with the iSeries.

In this lab, learn:

1. How to write Java applications and applets.
2. How to run the applications and applets on PC and iSeries.
3. How to identify key components of a Java source file.
4. How to create Java programs on PC and iSeries.
5. How to identify different types of Java programs.

Java 101: Basic Syntax and Structure

23MN: Mon 11 - 12:15, B213, Miami Conv Ctr

ID:480063

Level:
Beginner

Course:
Java Language

Speaker:
Blair Wyman
IBM Corporation

This session will cover elementary Java syntax, including classes, fields, methods, and control-flow constructs. General rules for approaching bodies of existing code will be formulated, and a variety of code inspection tools will be described.

Using JAVA to Support Users in Their Own "Home Town"

31ME: Tue 8 - 9:15, B117, Miami Conv Ctr

ID:490011

Level:
Beginner

Course:
Java Language

Speaker:
Pat Glenski
IBM Corporation

Come to this session to learn how to develop JAVA software for different language users whether they are in your own home town or across the world. You will learn how with just a few minor up front design decisions and code changes you can enable your Java code to work for all users. This session will discuss how good global design is easy to do in JAVA applications!

F06 Miami Sessions: Thursday, 9/21/2006

Introducing the IBM Toolbox for Java

33MH: Tue 11 - 12:15, B122, Miami Conv Ctr

ID:403552

Level:
Beginner

The IBM Toolbox for Java is a set of Java classes and tools for accessing iSeries data and resources from a Java program.

Course:
Java Language

In this session, learn:

1. The basic components of the Toolbox.
2. How to call programs, access DB2/400 data, and access data queues in Java.
3. How a Java program can access iSeries data.
4. Methods to identify when the Toolbox is useful.

Speaker:
Kim Button
IBM Corporation

Java Beans - Using and Building

41MD: Wed 8 - 9:15, B116, Miami Conv Ctr

ID:403374

Level:
Intermediate

See how objects can be used to build iSeries & web applications with Java. This session discusses the basics of beans (properties, methods, events, serialization, reflection, introspection) and how they are used in frameworks and applications. See how IBM's WebSphere Development Studio for iSeries (WDSC) can rapidly build Java beans and use those beans in applications for the iSeries.

Course:
Java Language

Speaker:
Jim Mason
Cape Cod Bay
Systems

In this session, you will learn:

1. Why they are the key component for building applications rapidly.
2. What the future is for beans in web and distributed object applications.
3. How fast you can transition to Java and beans with visual programming tools in WDSC.

Servlets and JSPs for Beginners

33MG: Tue 11 - 12:15, B119, Miami Conv Ctr

ID:408139

Level:
Beginner

Client-side Java and Java applets are not where the world of Java is headed -- it's server-side Java with Java servlets and JSP's. This presentation introduces iSeries programmers with the architecture of server-side Java. It will show how easy it is for an iSeries programmer to develop host applications and it will explain why Java servlets perform better than RPG servers.

Course:
Web
Applications:
Architecture and
Development

By the end of this session, attendees will be able to:

1. Understand the architecture of Server-side Java with servlets and JSP's.
2. Know the required Java syntax of a Java servlet.
3. Understand the power inherent to Java servlets (Cookies, HTTP headers, parms, etc.).

Speaker:
David Money
IBM Corporation

LAB: IBM Toolbox for Java

35LB: Tue 2 - 4:45, A201, Miami Conv Ctr

ID:403627

Level:
Intermediate

This lab explores classes and utilities that are part of the IBM Toolbox for Java.

Course:
Java Language

In this lab, learn:

1. How to create a program using basic Toolbox components.
2. How to identify the various types of Java applications that can use Toolbox components.
3. How to write a program using XML to call an iSeries program.

Speaker:
Kim Button
IBM Corporation

F06 Miami Sessions: Thursday, 9/21/2006

OPEN LAB: Application Development with WDS

41LC: Wed 8 - 9:15, A202, Miami Conv Ctr

42LC: Wed 9:30 - 10:45, A202, Miami Conv Ctr

43LC: Wed 11 - 12:15, A202, Miami Conv Ctr

44LC: Wed 12:30 - 1:45, A202, Miami Conv Ctr

45LC: Wed 2 - 3:15, A202, Miami Conv Ctr

46LC: Wed 3:30 - 4:45, A202, Miami Conv Ctr

ID:430247

Level:
All

Course:
RPG IV

Speakers:
Claus Weiss
IBM Corporation
George Farr
IBM Corporation
George Voutsinas
IBM Corporation
Roy S. Goldstein
Capricorn Information Systems
Abe Battish
IBM Corporation
Nazmin Haji
IBM Corporation

The following labs are offered during this Open Lab:

1. Using the Remote System Explorer and iSeries Projects (450153)
2. VisualAge RPG - Fundamentals (401205)
3. VisualAge RPG - GUI Subfile Programming (407145)
4. The IBM WebFacing Tool (408166)
5. Introduction to Web Tools (430277)
6. WDS: Working Off-line With iSeries Projects (480156)
7. Lab WDS: Working with RPG and Web Services (500106)

Java Stored Procedures and Java User-Defined Functions

44MQ: Wed 12:30 - 1:45, B216, Miami Conv Ctr

ID:450104

Level:
Intermediate

Course:
Java Language

Speaker:
Blair Wyman
IBM Corporation

Java stored procedures and Java user-defined functions can be used to access Java programs from SQL statements and programs. Using this ability, Java programs can be easily integrated with the database. This session describes how to create, use, and debug Java stored procedures, Java user-defined scalar functions, and Java user-defined table functions using UDB for iSeries.

By the end of this session, attendees will be able to:

1. Create, use, and debug a Java stored procedure.
2. Create, use, and debug a Java user-defined scalar function.
3. Create, use, and debug a Java user-defined table function.

Accessing DB2/400 with Java Database Connect: JDBC

46MA: Wed 3:30 - 4:45, B113, Miami Conv Ctr

ID:408135

Level:
Beginner

Course:
Java Language

Speaker:
Peter DeGregorio
PGM Systems, Inc.

Where Java is "write once, run anywhere", JDBC is "data access anywhere". JDBC is the way Java accesses relational databases and uses SQL to do so. This session provides overview of JDBC and SQL with stepped-through code examples and touches on real-world use, such as access from within an application server.

IBM Toolbox for Java: Advanced

44MA: Wed 12:30 - 1:45, B113, Miami Conv Ctr

ID:407180

Level:
Intermediate

Course:
Java Language

Speaker:
Kim Button
IBM Corporation

The IBM Toolbox for Java is a set of Java classes and tools for accessing iSeries data and resources from any Java environment.

In this session, learn:

1. The popular components of the Toolbox in more detail.
2. The advanced functionality provided by the Toolbox (such as XML and database access).
3. Information about JTOpen (the open source version of the Toolbox).

F06 Miami Sessions: Thursday, 9/21/2006

Practical Web Services

47MJ: Wed 5 - 6:15, A208, Miami Conv Ctr

ID:500018

Level:

Intermediate

Course:

Java Language

Speaker:

Dave

Boutcher

IBM Corporation

This presentation will walk through what a "web service" is, and how to use one and write one. We are going to do code in this presentation, not look at boxes on a chart.

Since most web services are written in Java, this presentation will be Java oriented. It will use software freely available from apache.org and during the presentation we will write a live program that calls web services available from amazon.com.

Whether you are a programmer, or someone who just wants to understand how SOA and web services really work, this presentation will remove some of the mystery and make web services something you can get your head around.

By the end of this session, attendees will be able to:

1. Write a java program that calls a web service.
2. Write your own web service.
3. Understand web services in real life.

OPEN LAB: WebSphere Application Server, Install, Configuration & Security

53LC: Thu 11 - 12:15, A202, Miami Conv Ctr

54LC: Thu 12:30 - 1:45, A202, Miami Conv Ctr

55LC: Thu 2 - 3:15, A202, Miami Conv Ctr

56LC: Thu 3:30 - 4:45, A202, Miami Conv Ctr

ID:420152

Level:

Intermediate

Course:

Web

Applications:
Administration

Speakers:

George

Weaver

IBM Corporation

Vanessa

Grose

IBM Corporation

This open lab contains exercises to help get you familiar with many aspects of WebSphere Application Server offerings. Included are install, admin, JMS, problem & performance determination and configuration of the various versions of the products. Includes the latest 6.0 release, admin consoles changes, WebSphere Application Server - Express, and the IBM Telephone Directory business application.

This open lab offers these lab exercises:

1. WebSphere Application Server version 6.0 application server creation, configuration and application installation.
2. WebShere Application Server - Express application server creation, configuration and application installation.
3. Configuration of a Java Messaging Services (JMS) application.
4. Use WebSphere Application Server logging files and tracing for troubleshooting and problem determination.
5. Create and deploy a Web application on WebSphere Application Server that accesses DB2 UDB for iSeries data.
6. Use WebSphere Application Server tools for monitoring ebusiness application performance.
7. Configure J2EE security on an ebusiness application and deploy it on WebSphere Application Server for iSeries.